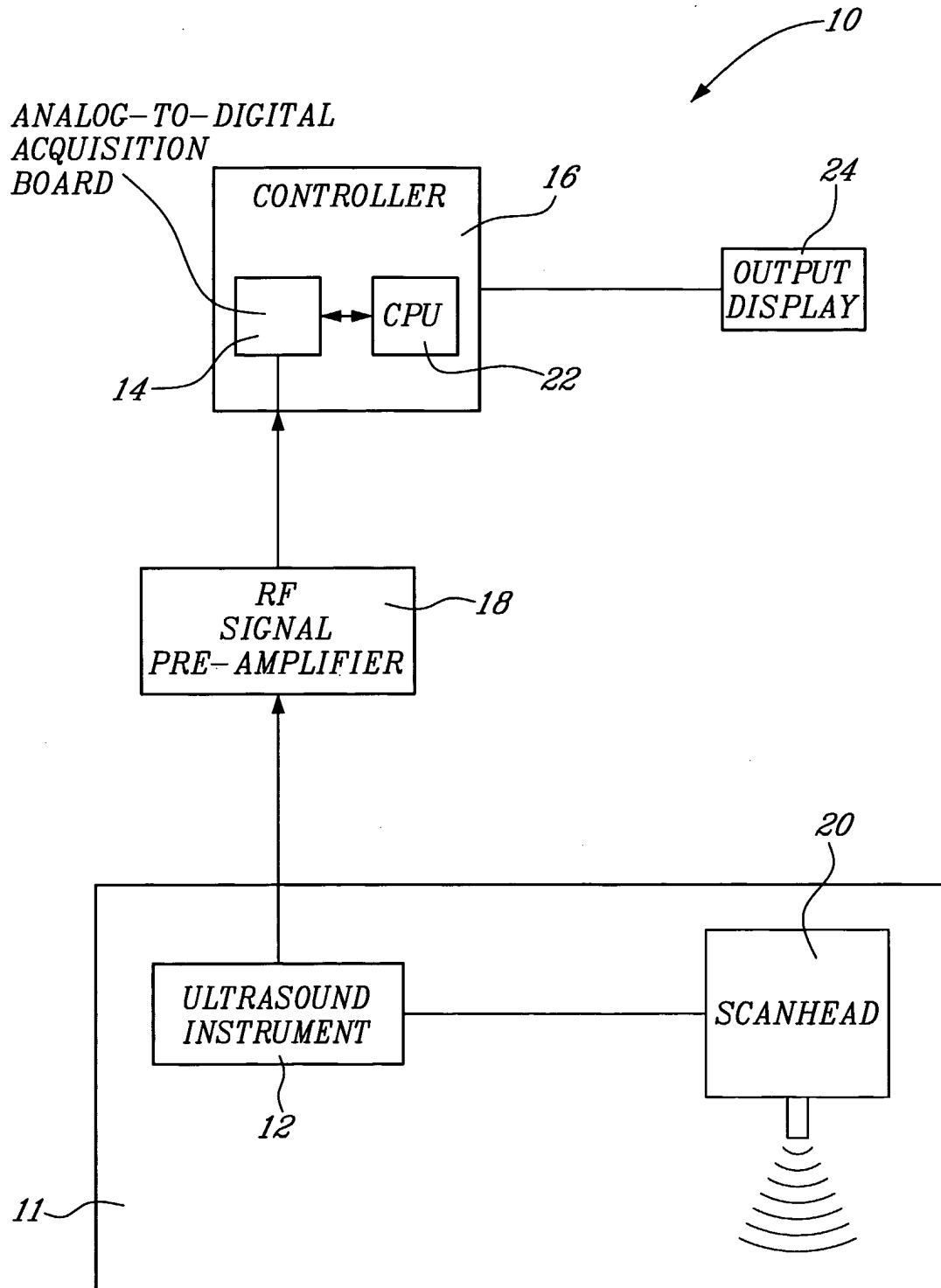
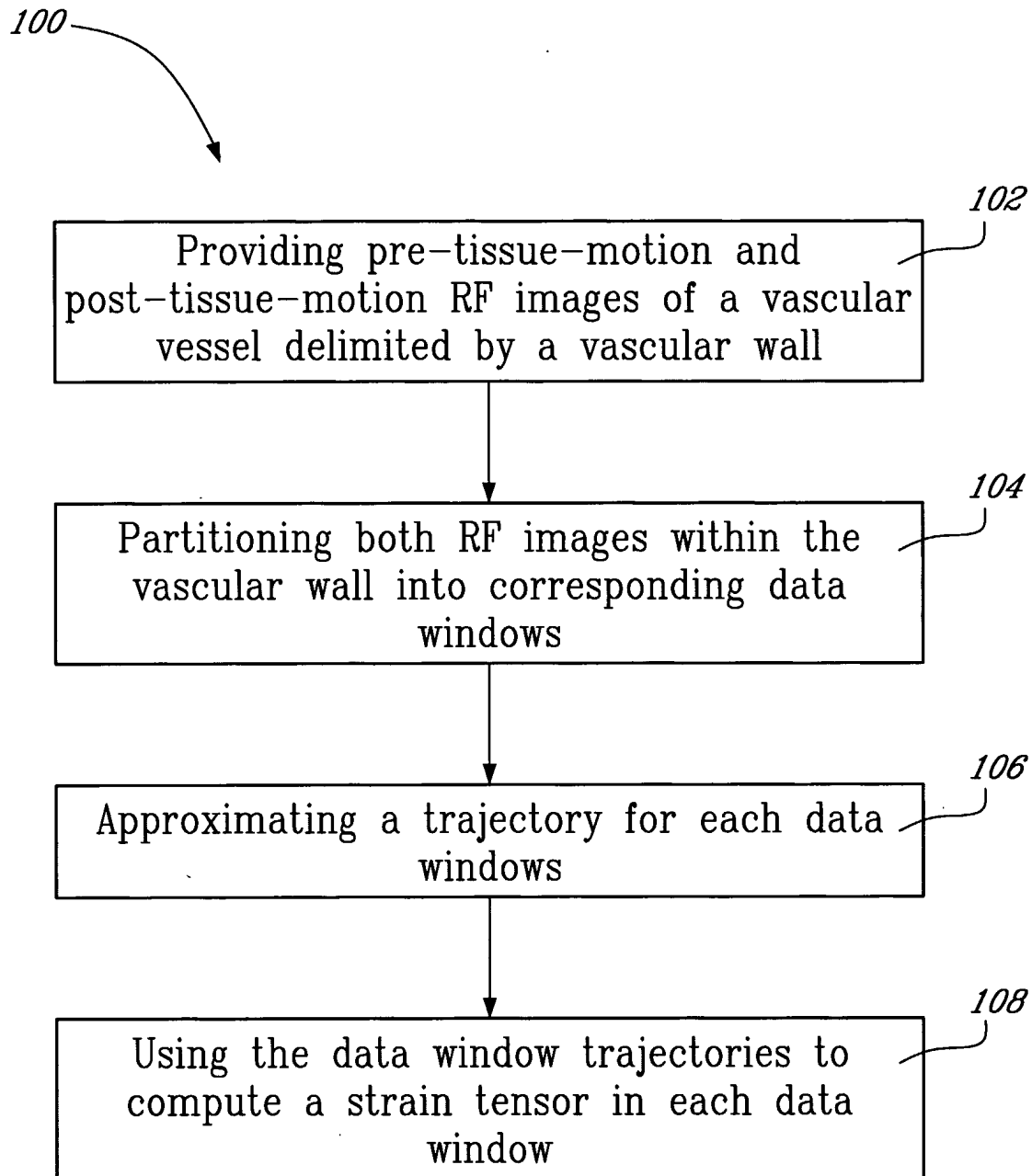


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FIG. 1

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FIG. 2

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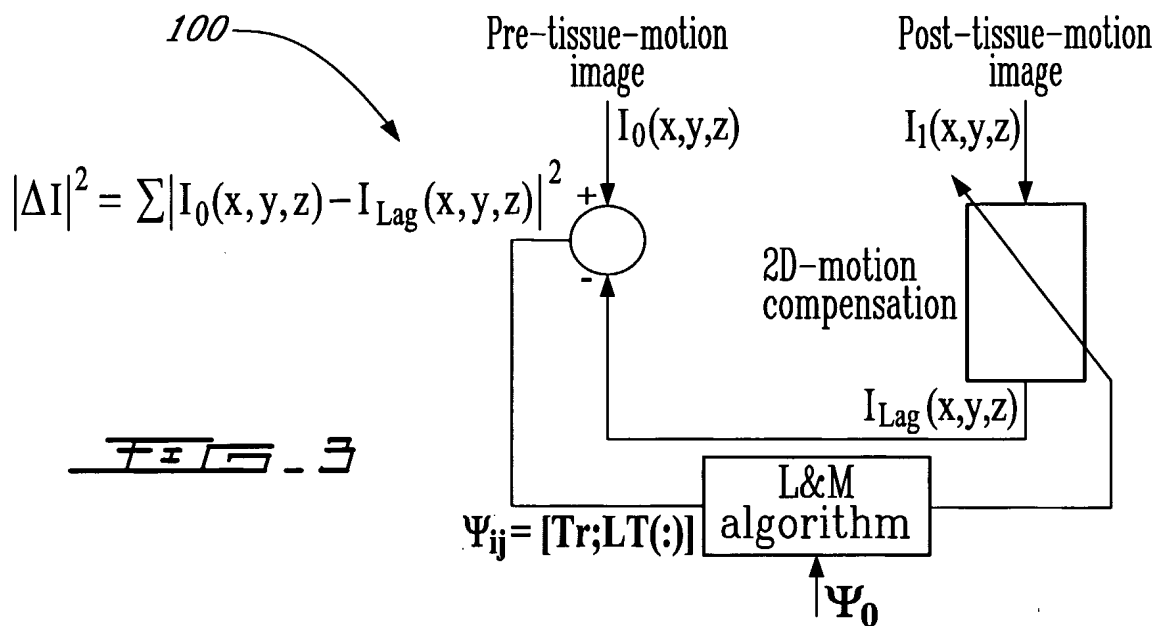


FIG. 3

Transducer

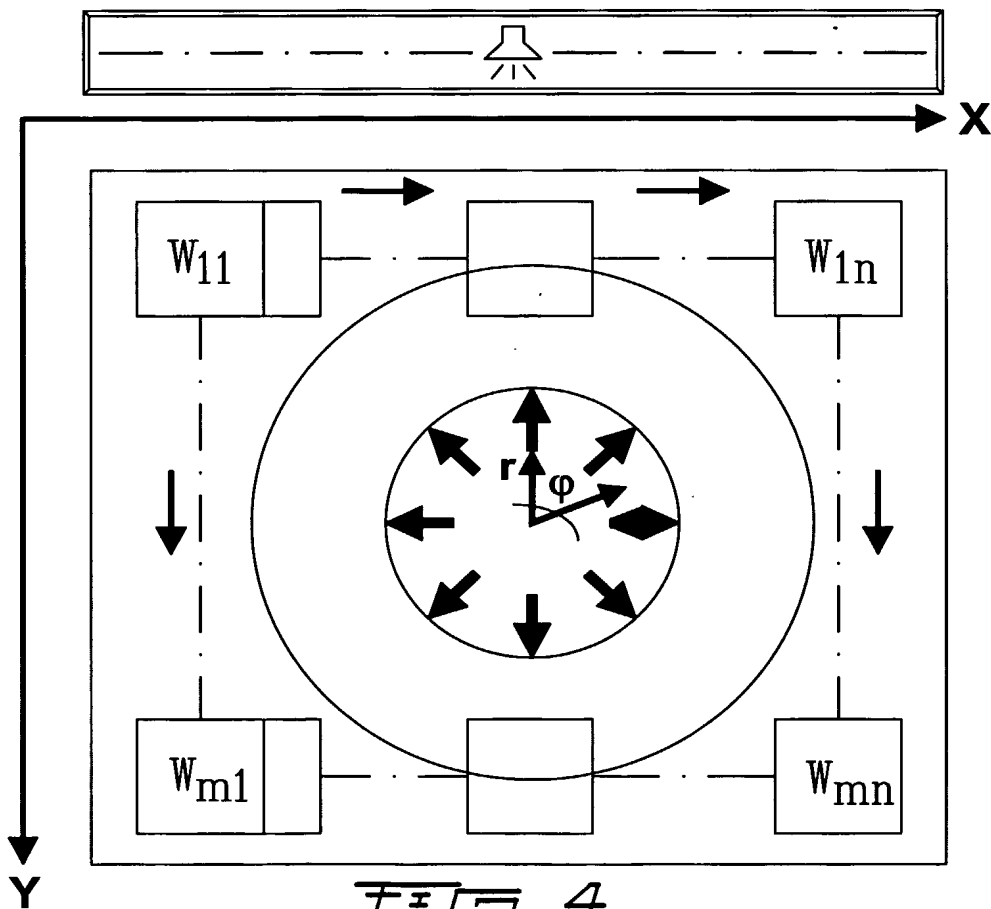
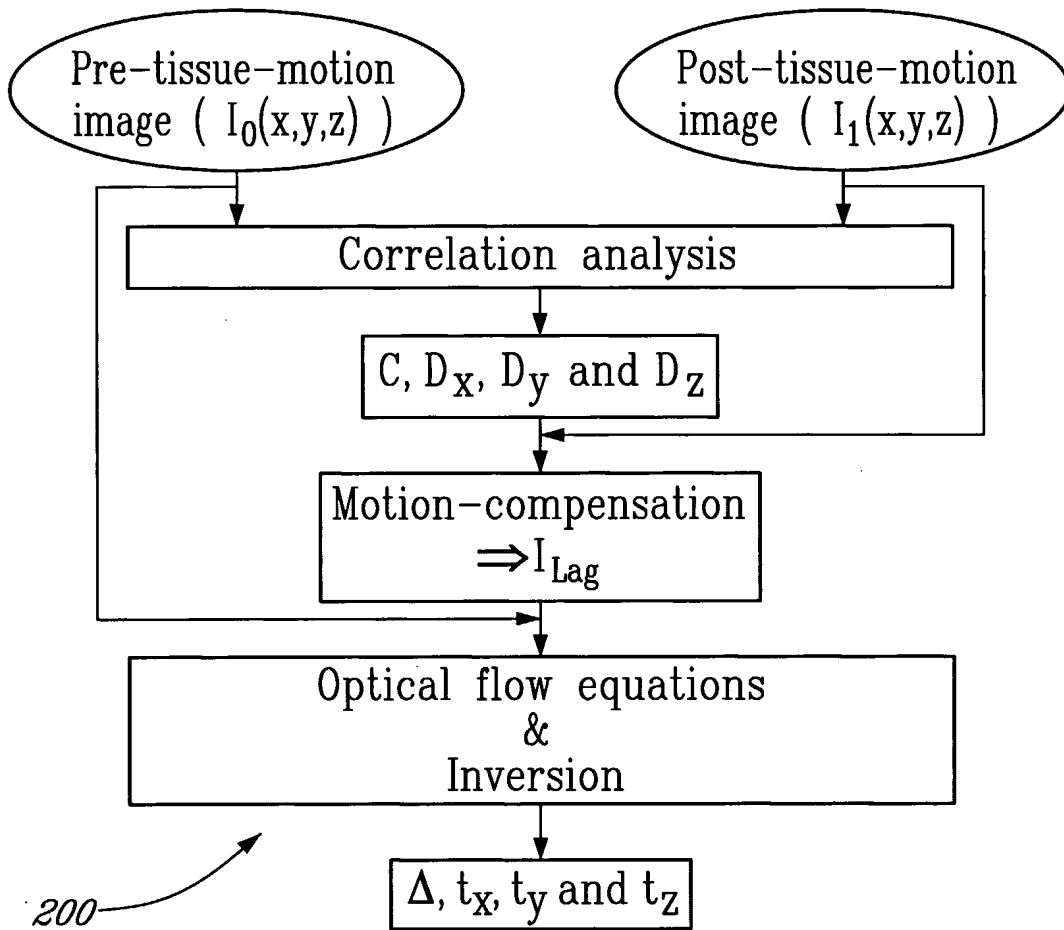


FIG. 4

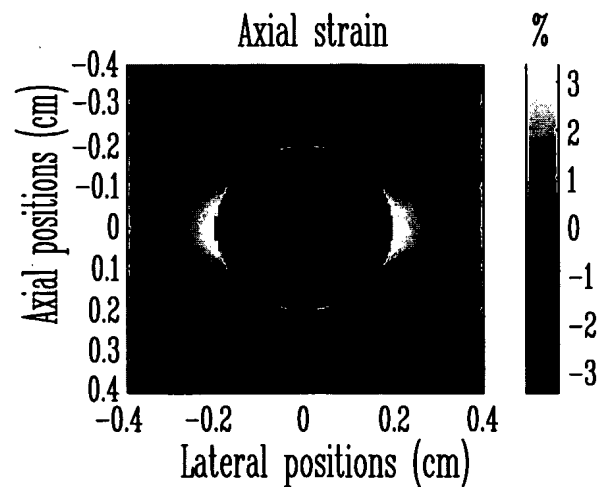
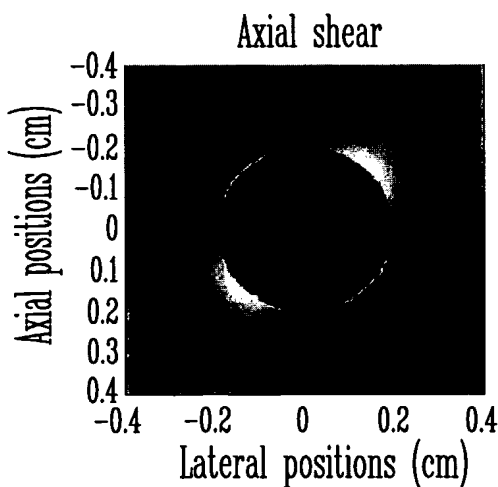
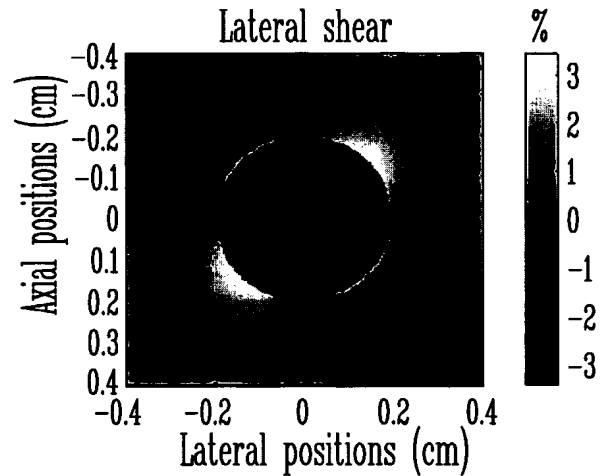
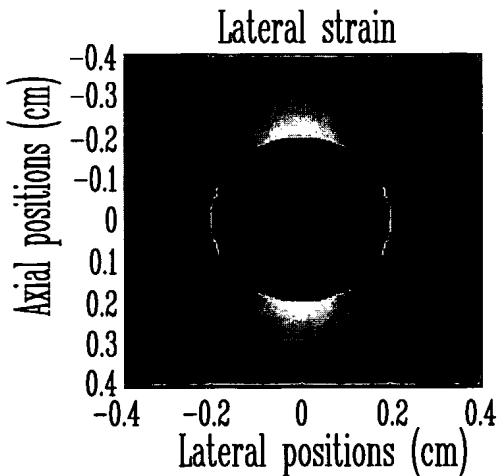
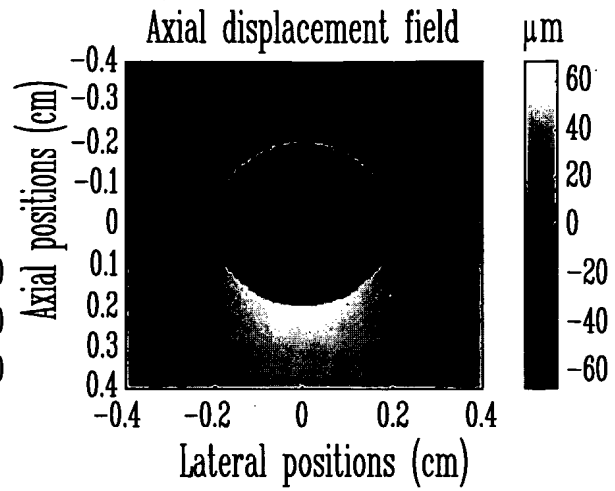
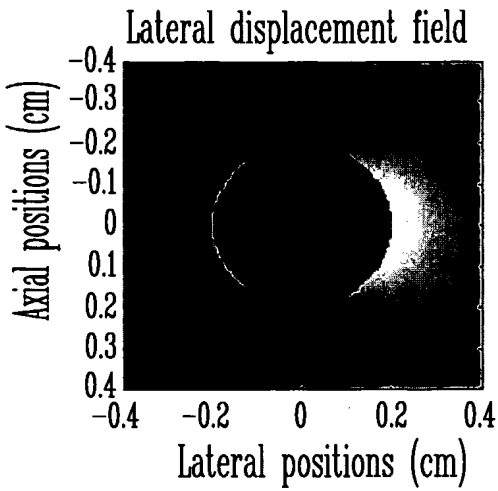
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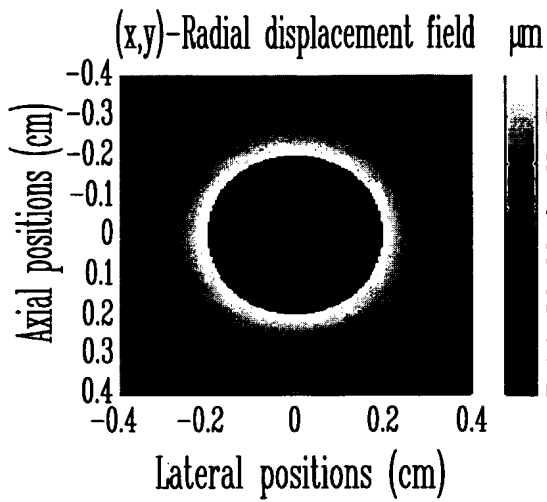
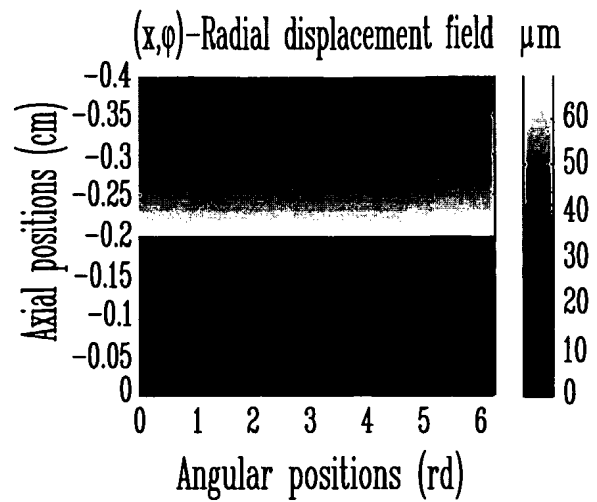
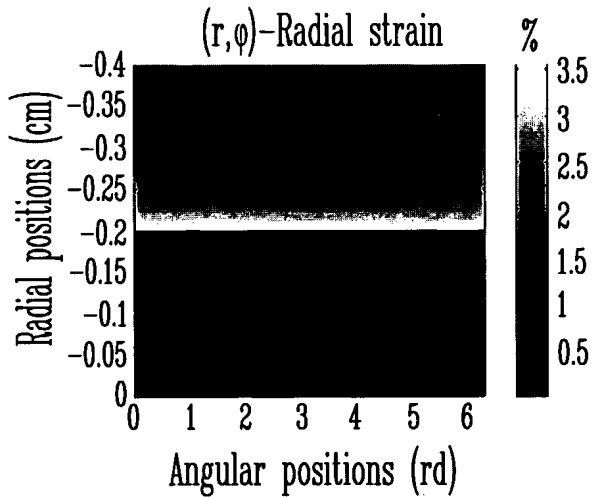
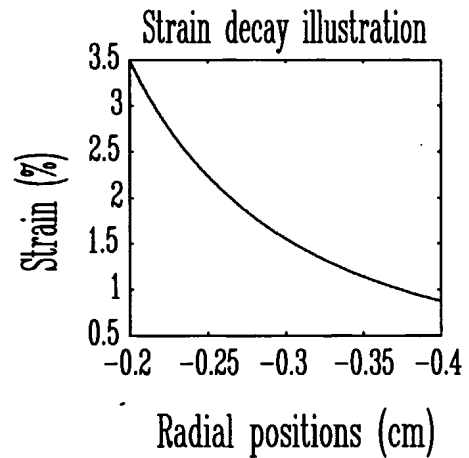
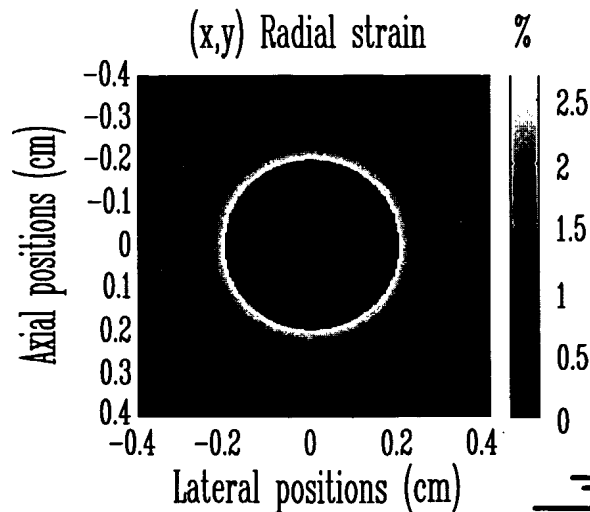
200

FIG. 5

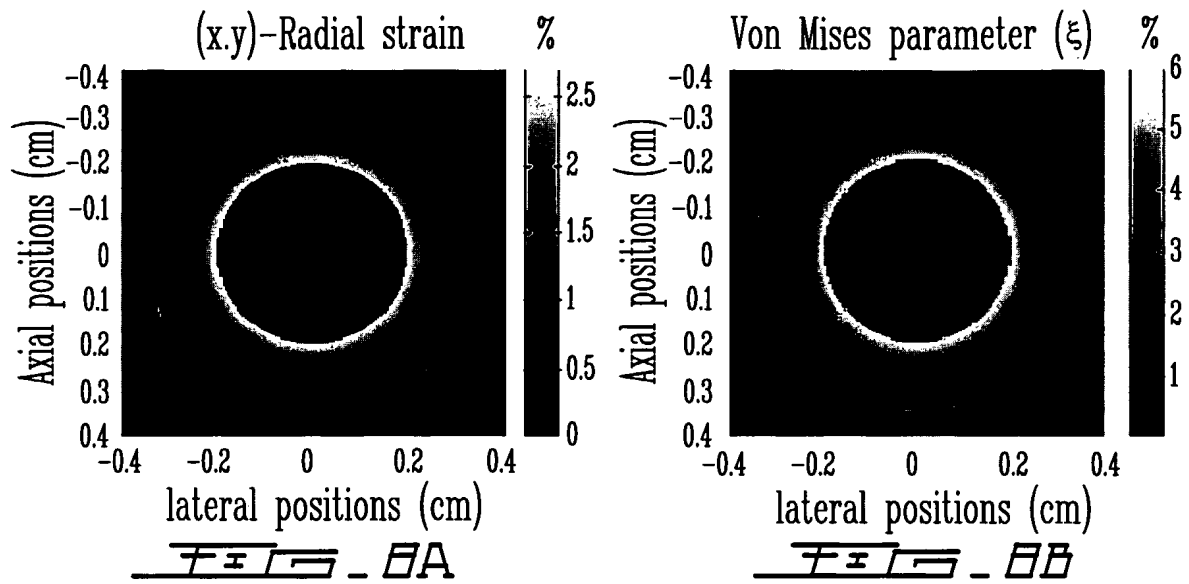
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FEA - 6AFEA - 6BFEA - 6CFEA - 6DFEA - 6EFEA - 6F

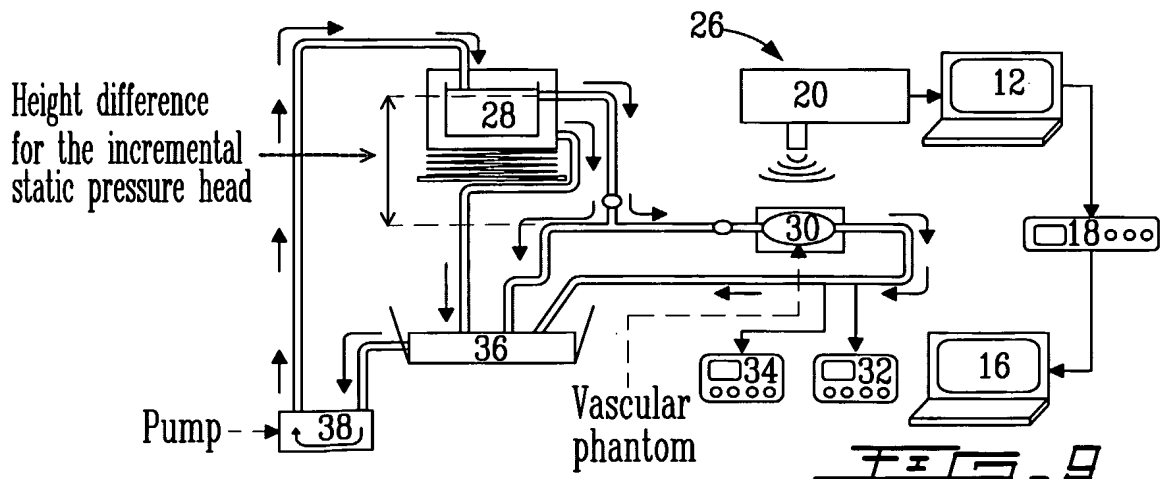
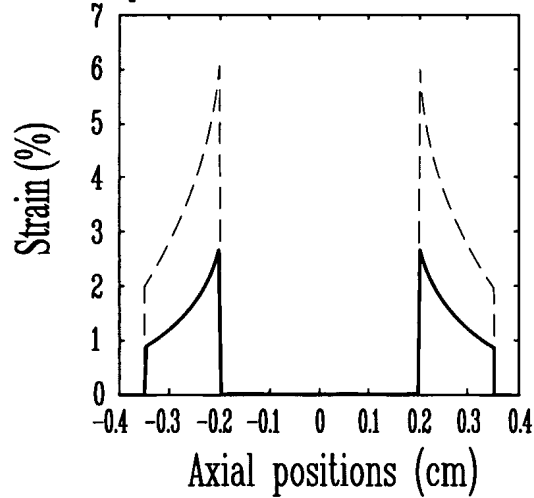
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FIG - 7AFIG - 7BFIG - 7CFIG - 7DFIG - 7E

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Comparison between radial strain and ξ



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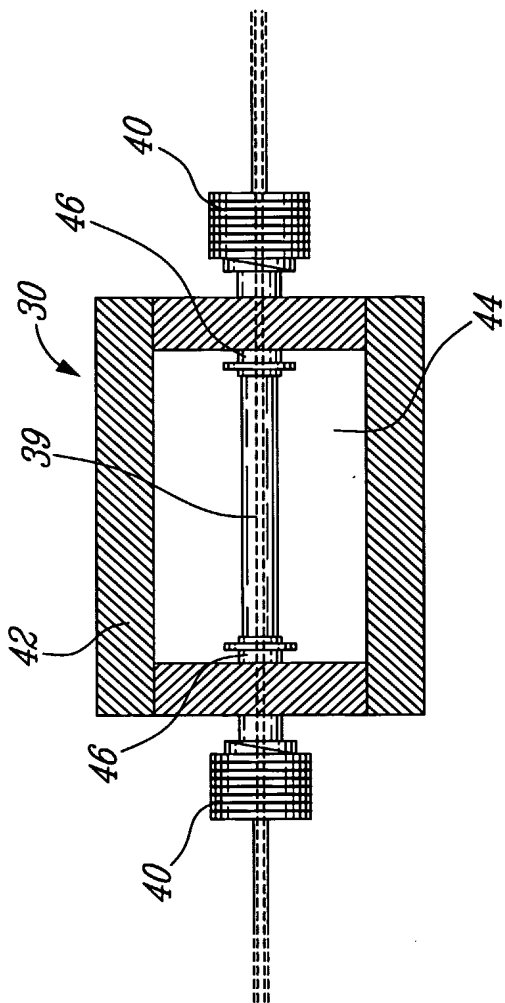


FIG. 10

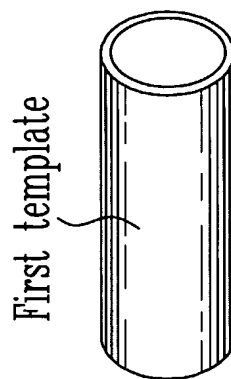


FIG. 11A

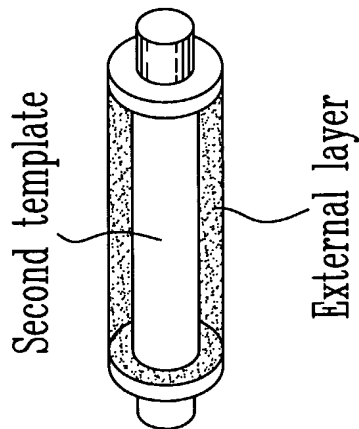


FIG. 11B

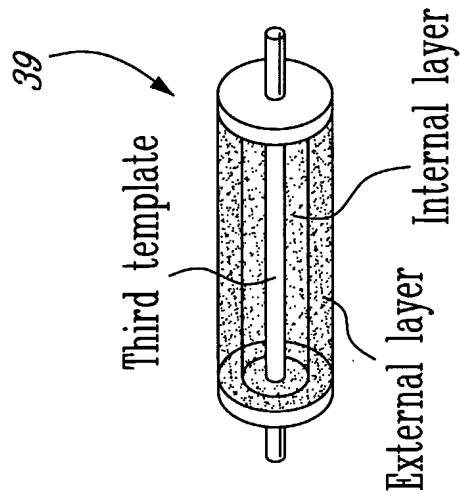
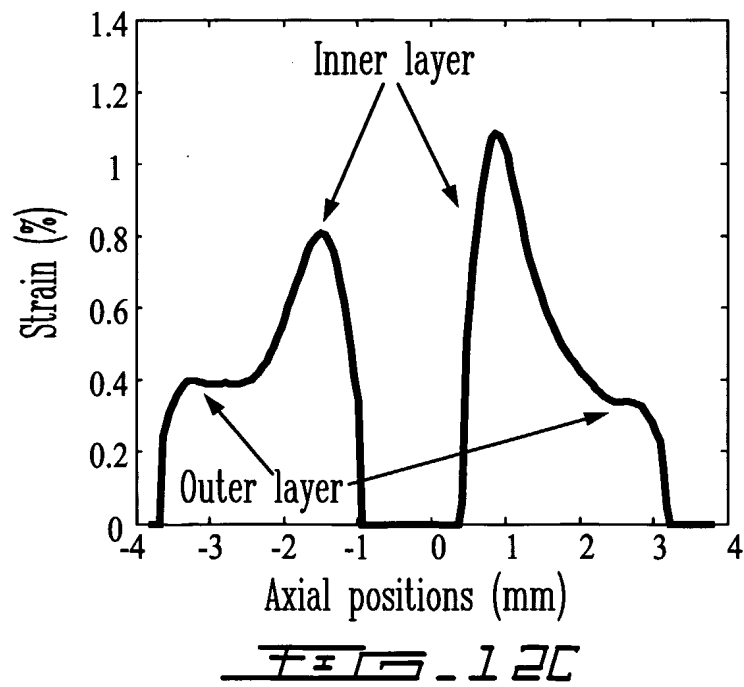
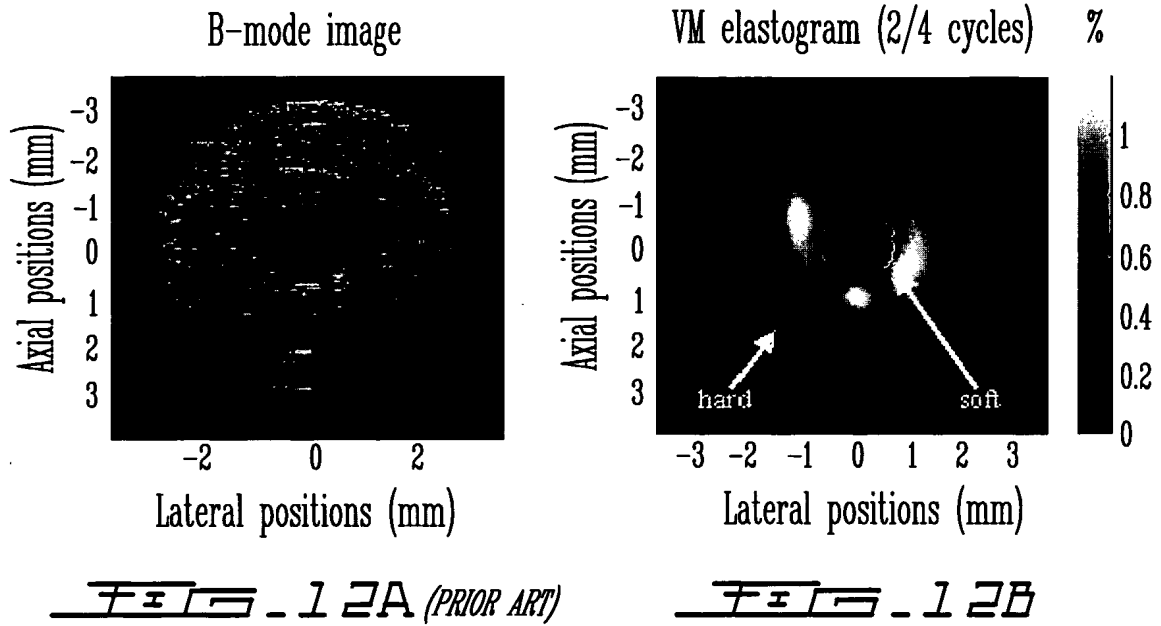


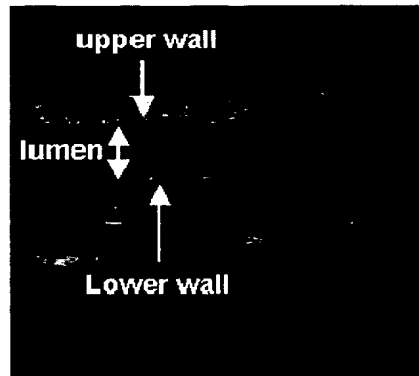
FIG. 11C

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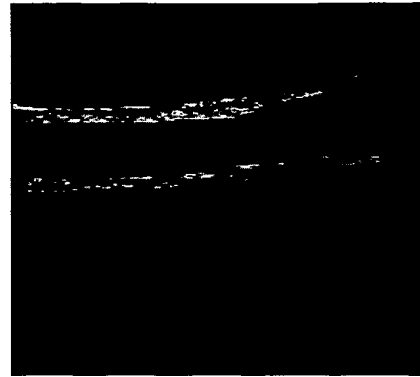


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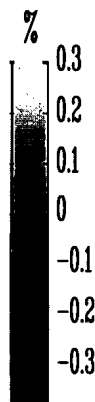
B-mode image

FIG. 13A (PRIOR ART)

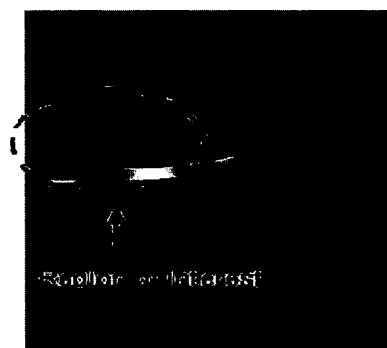
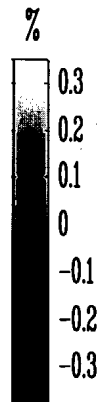
Segmented B-mode image

FIG. 13B

Elastogram

FIG. 13C

Elastogram

FIG. 13D

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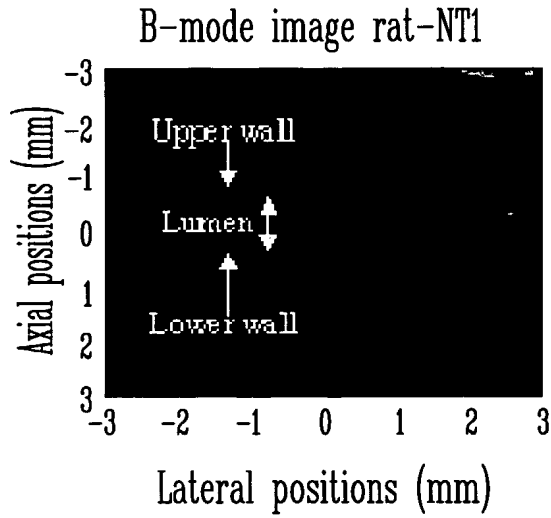


FIG. 14A (PRIOR ART)

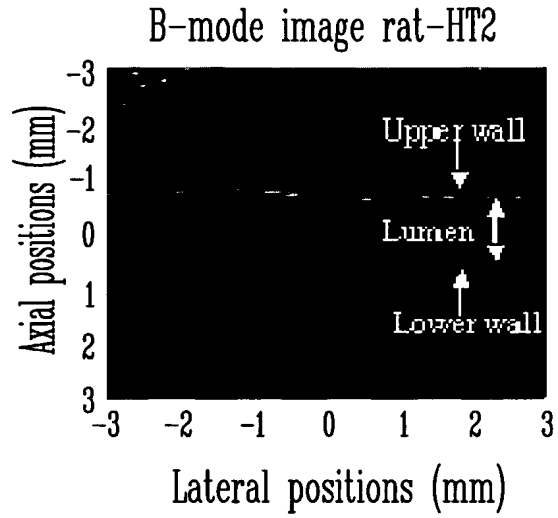


FIG. 14B (PRIOR ART)

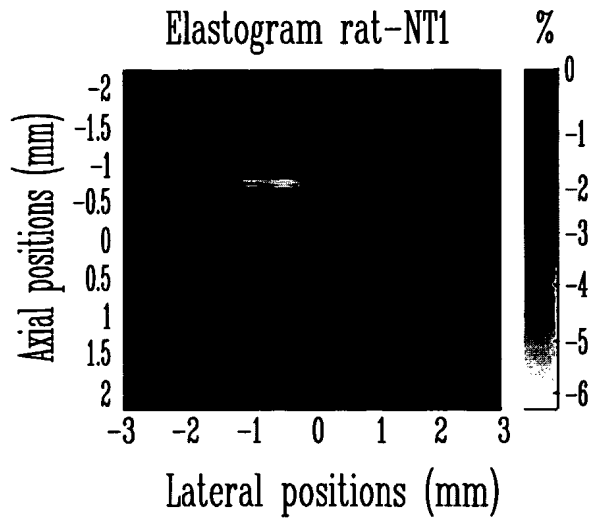


FIG. 14C

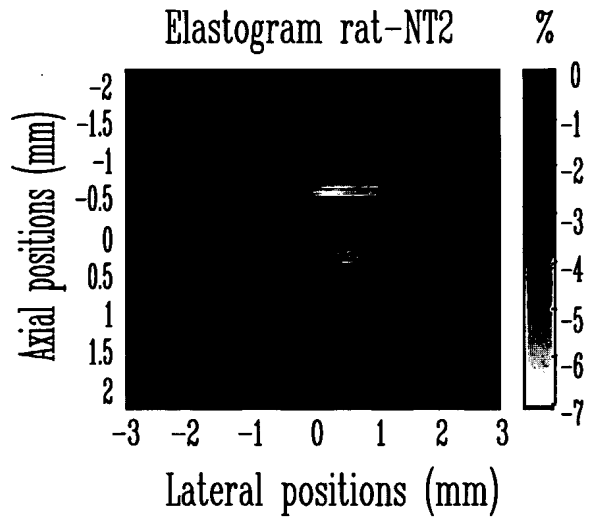
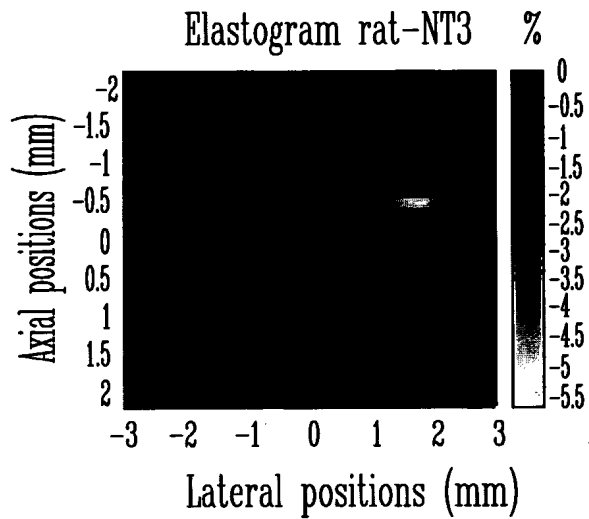
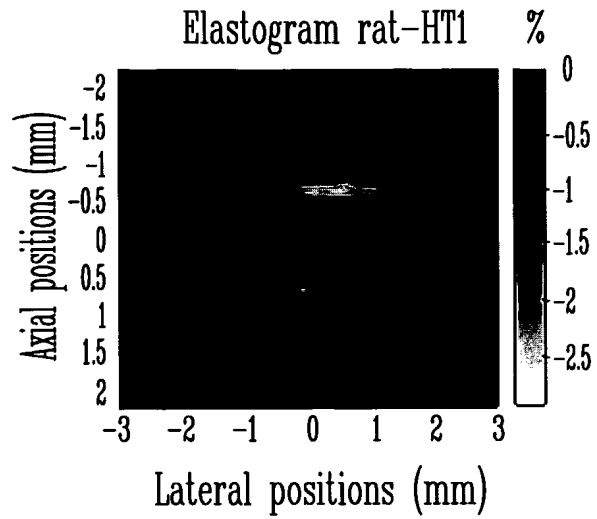
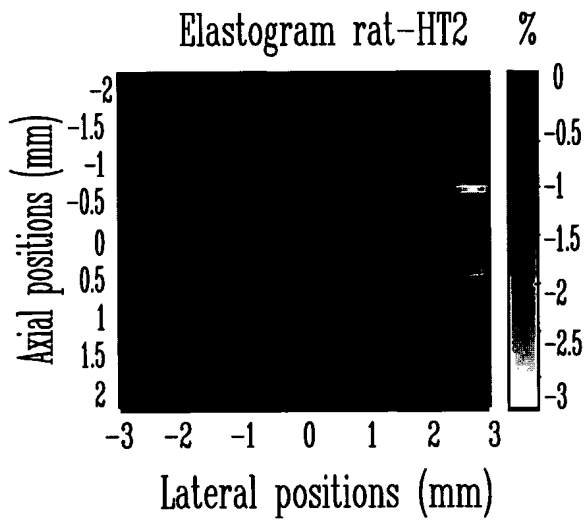
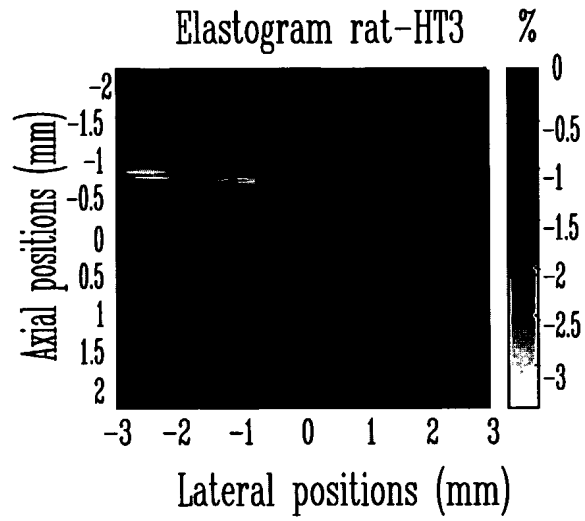
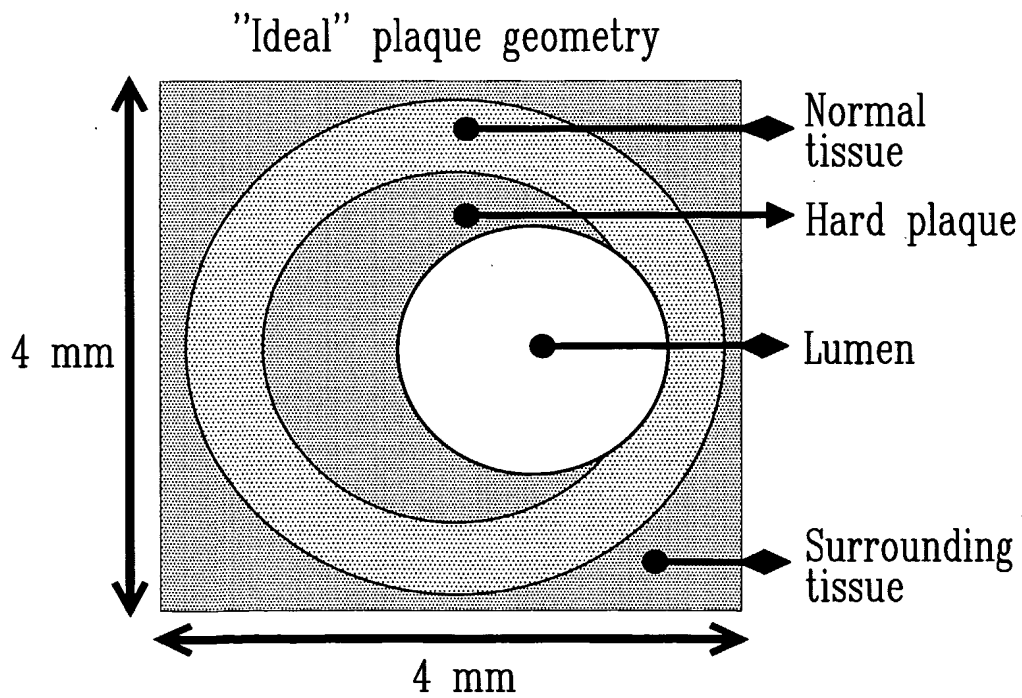
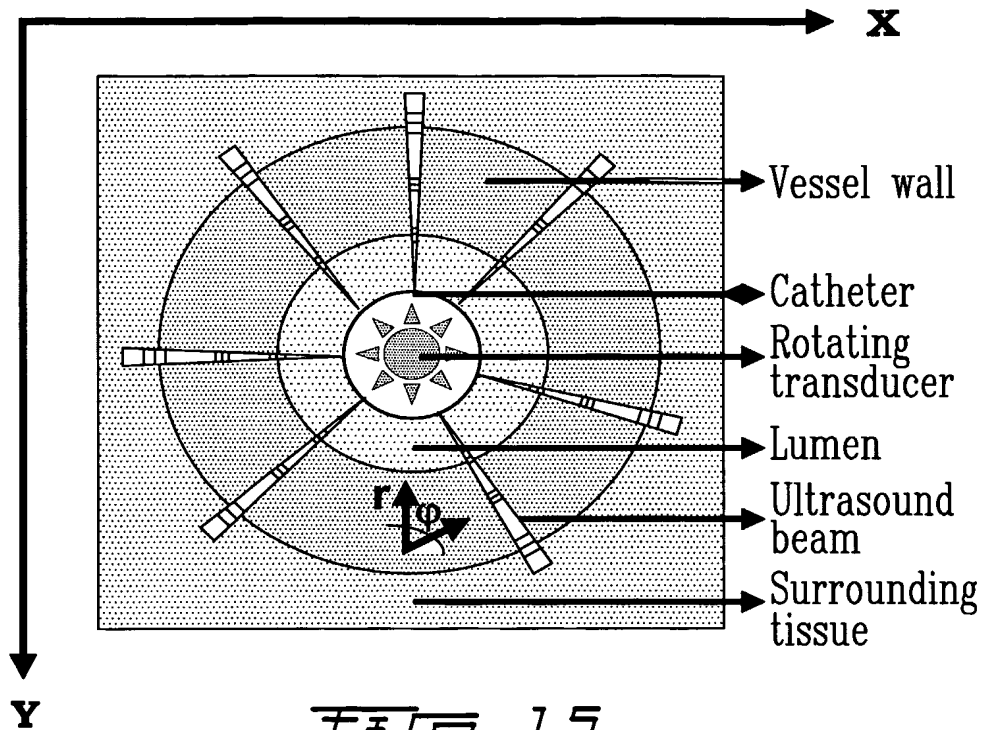


FIG. 14D

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FIG. 14 EFIG. 14 FFIG. 14 GFIG. 14 H

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In vivo IVUS image

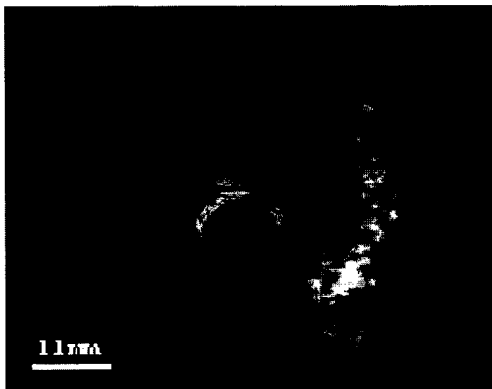
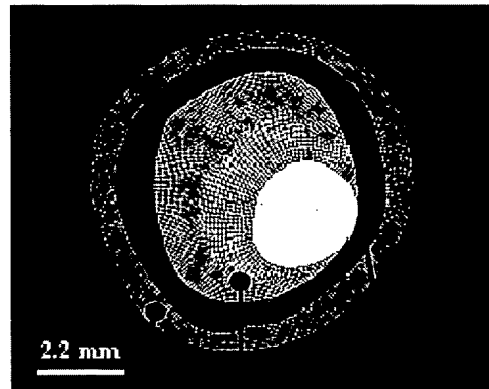


FIG. 17A (PRIOR ART)

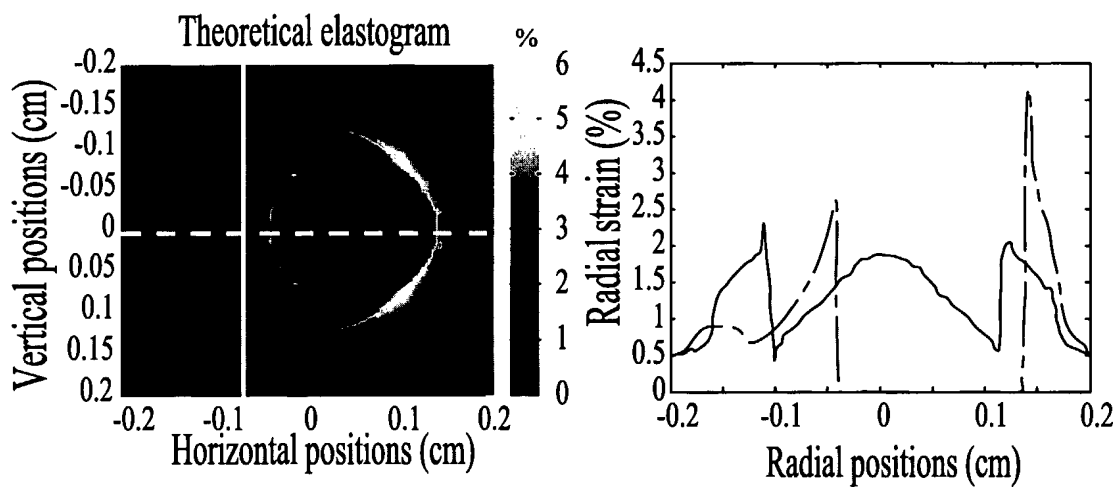
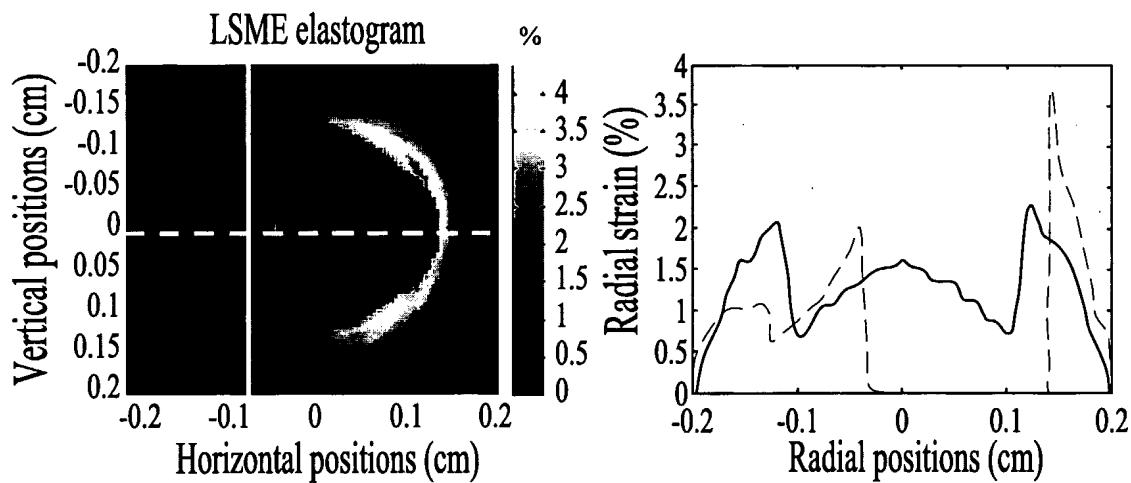
Cross-sectional vessel wall reconstruction

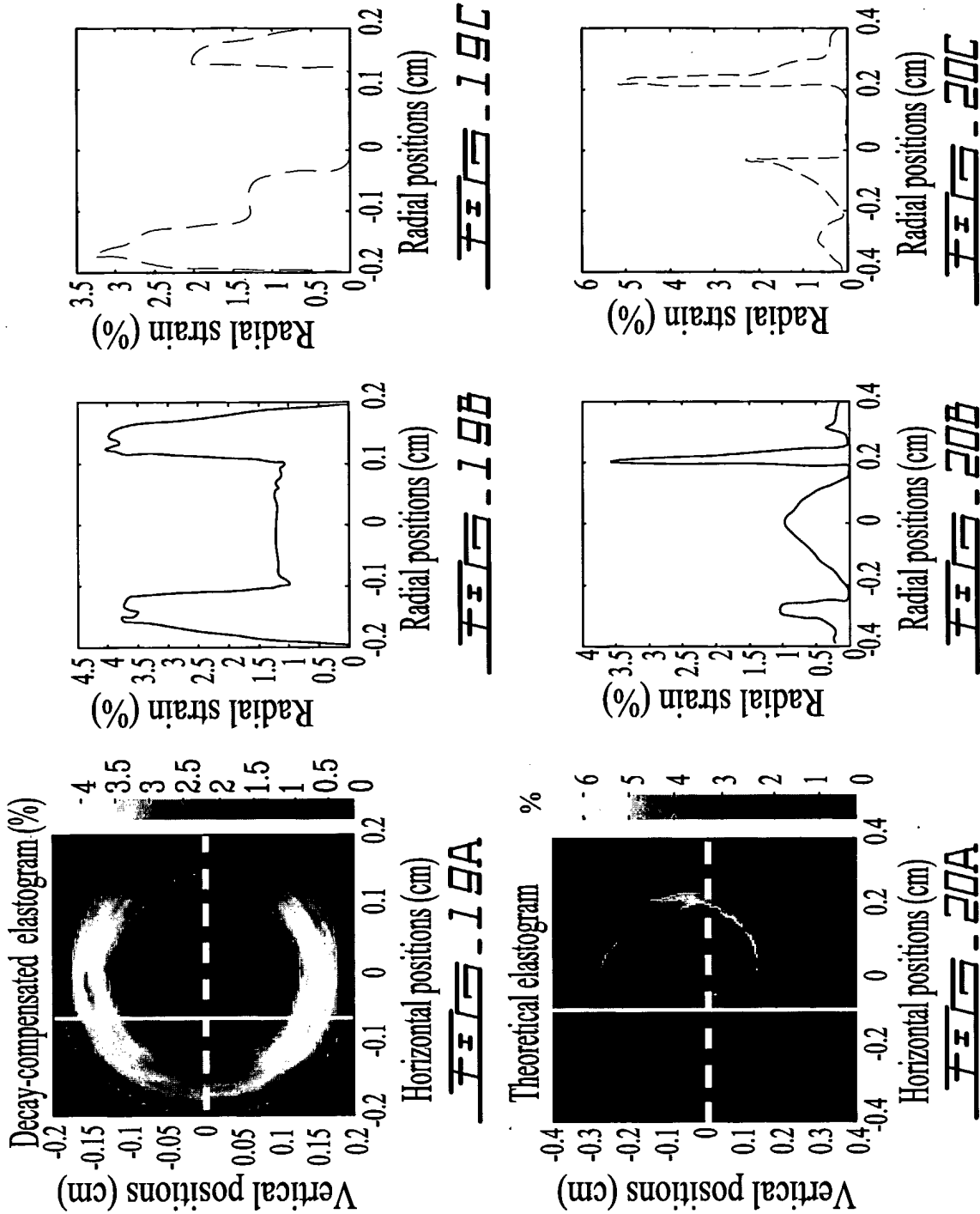


Media & adventicia Dense fibrosis Cellular Fibrosis

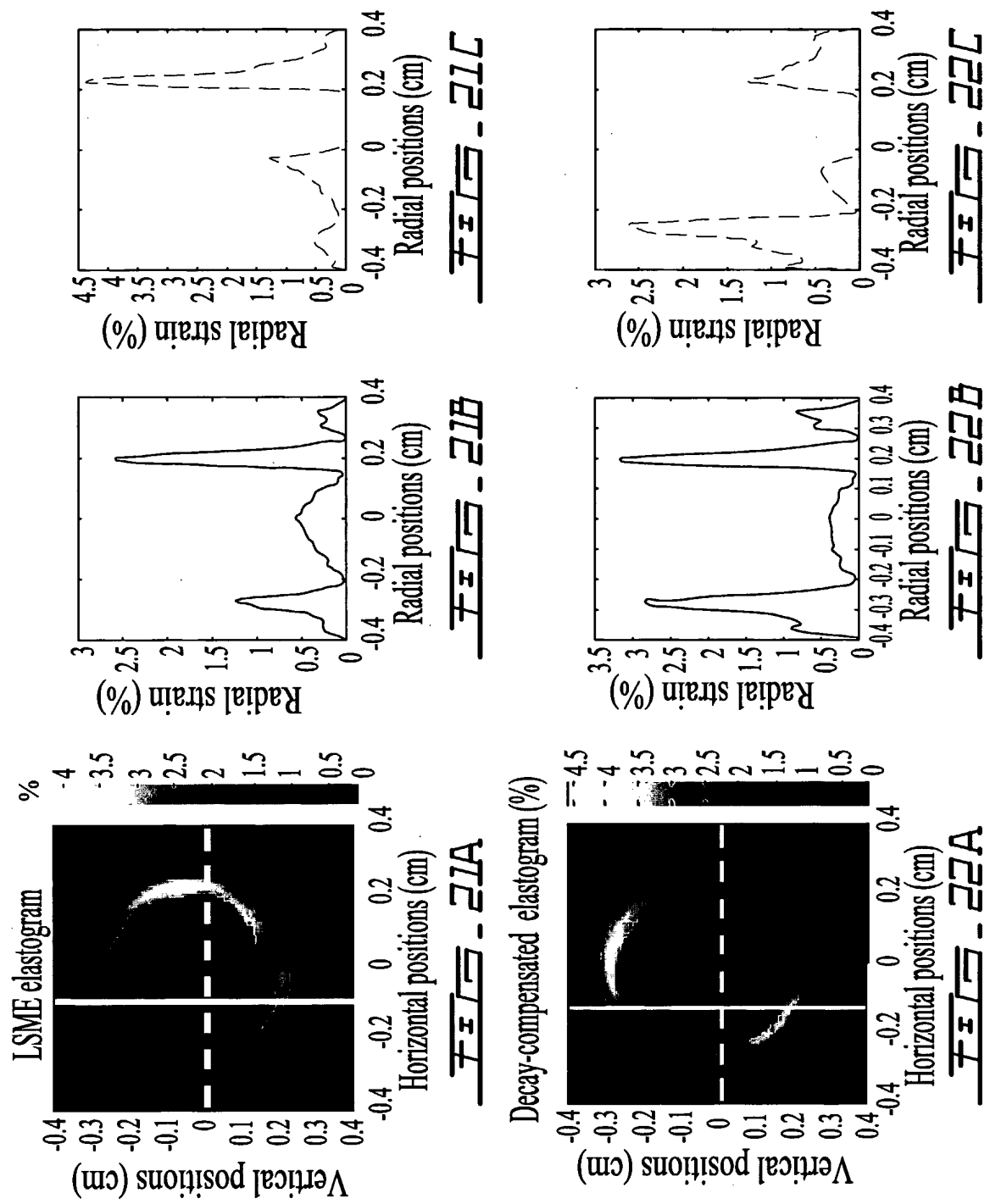
FIG. 17B

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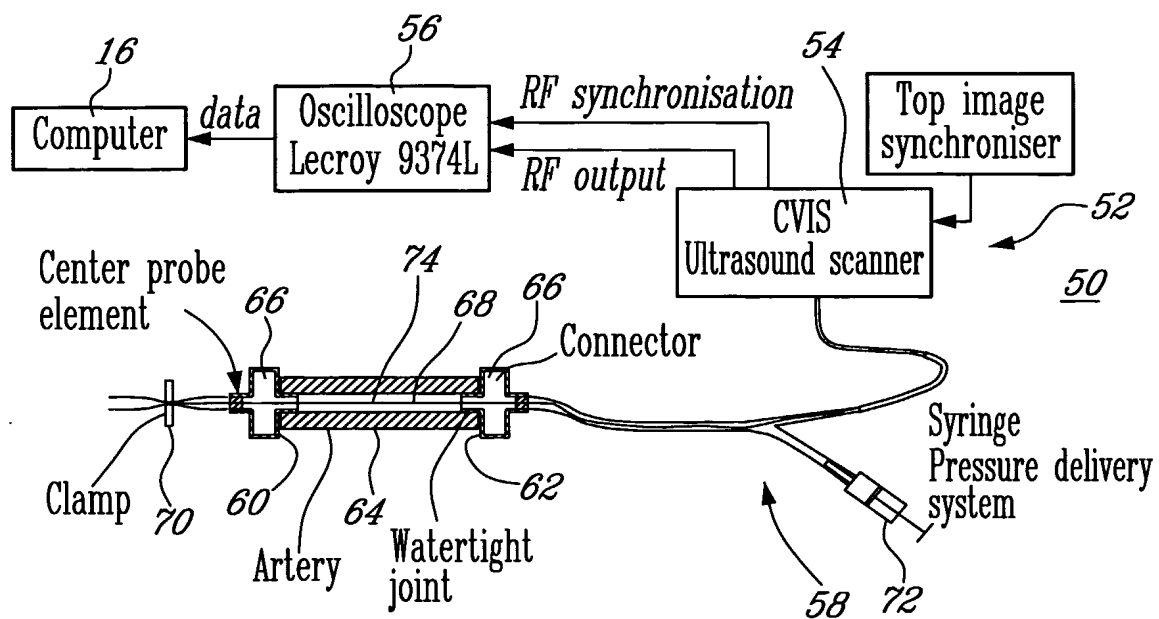
FIG. 18AFIG. 18BFIG. 18CFIG. 18D



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FIG. 23

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Histology

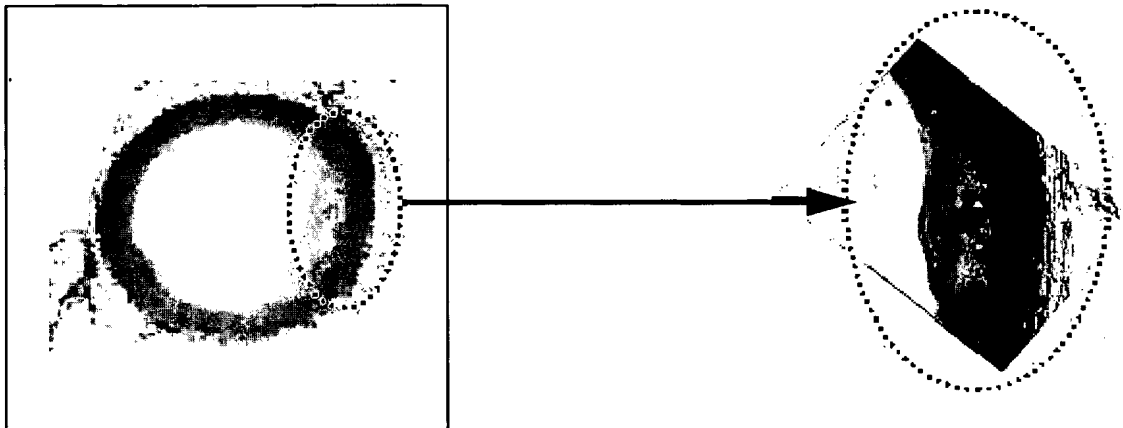


FIG. 24 A (PRIOR ART)

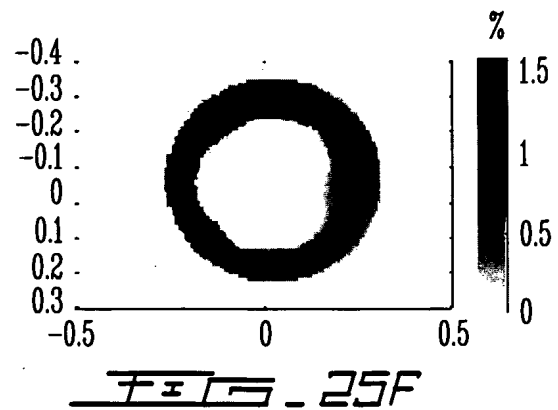
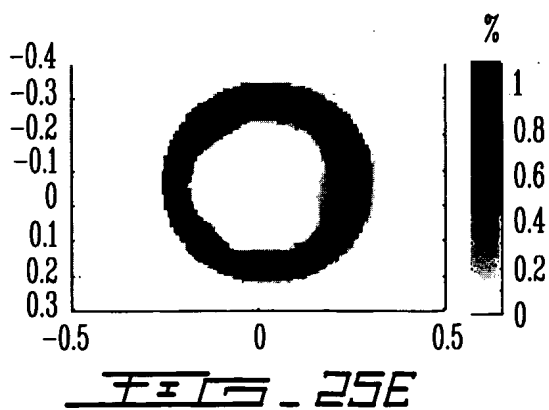
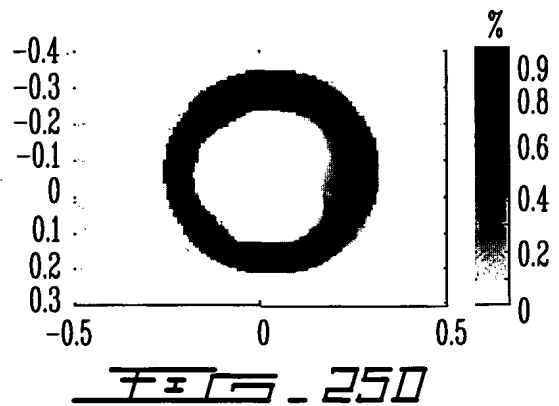
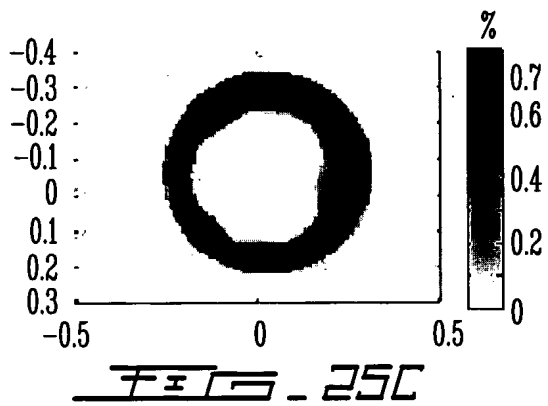
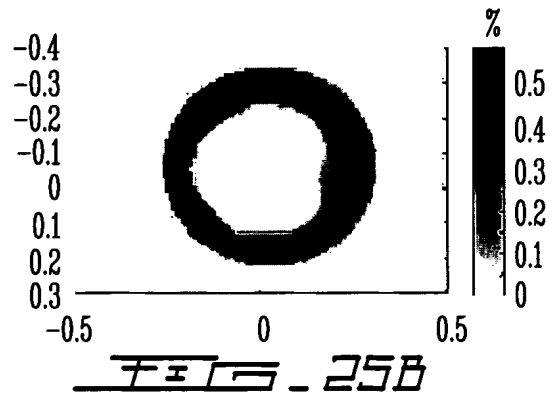
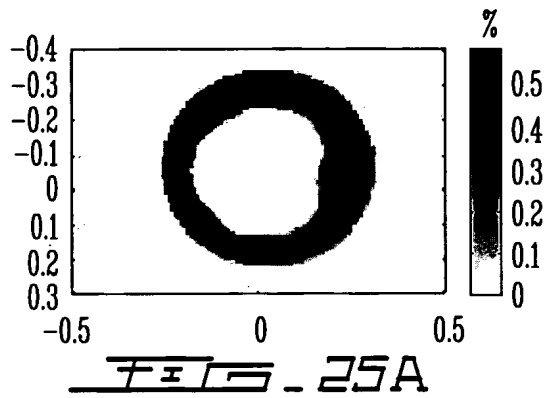
FIG. 24 B (PRIOR ART)

IVUS images



FIG. 24 C (PRIOR ART)

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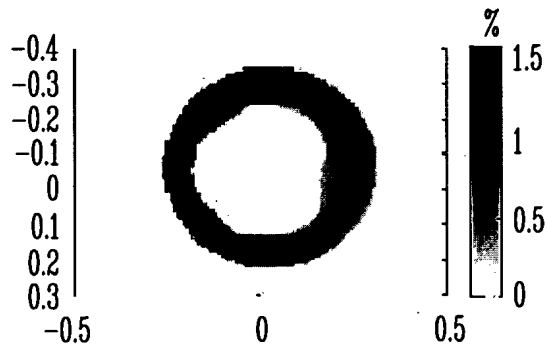


FIG. 25G

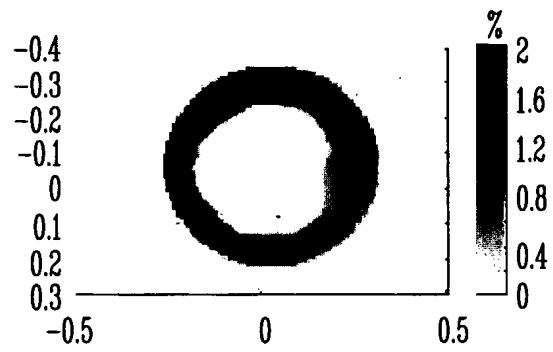


FIG. 25H

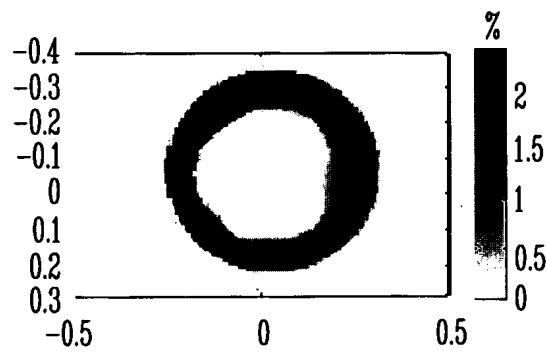


FIG. 25I



FIG. 25J